J.

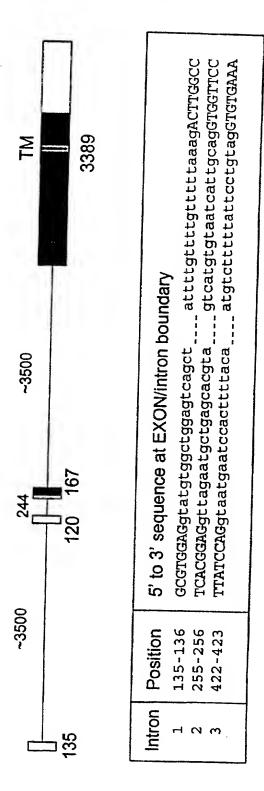
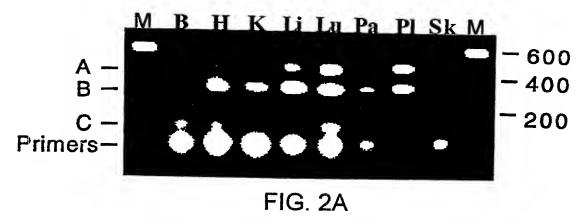
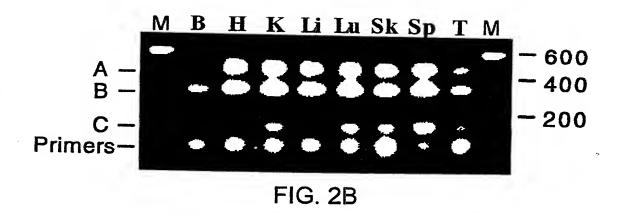
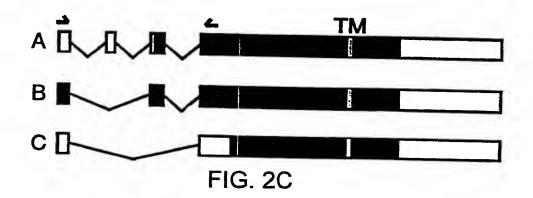


FIG.









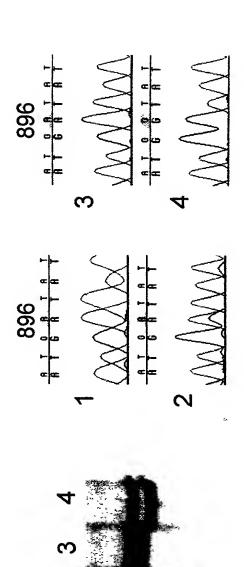
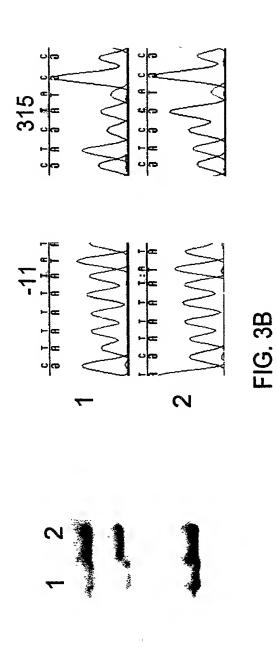


FIG. 3A



												1														
Human (aa 290)			L	A	Y	L	D	Y	Y	L	D	D	I	I	D	L	F	N	C	L	T	N	V	Ι.	Γ.	Γ.
Mouse (aa 289)			L	T	Y	T	N	D	F	S	D	D	1	V	K	-	F	H	C	L	A	N	V			
Rat (aa 289)			L	T	Y	Ī	N	H	F	S	D	D	I	Y	N	-	L	N	C	L	A	N	ī			
Hamster (aa 289)	Ŀ	Ŀ	F	T	Y	Α	N	Ε	F	s	Ε	D	1	T	D	-	F	D	C	L	Α	N	V			

FIG. 4

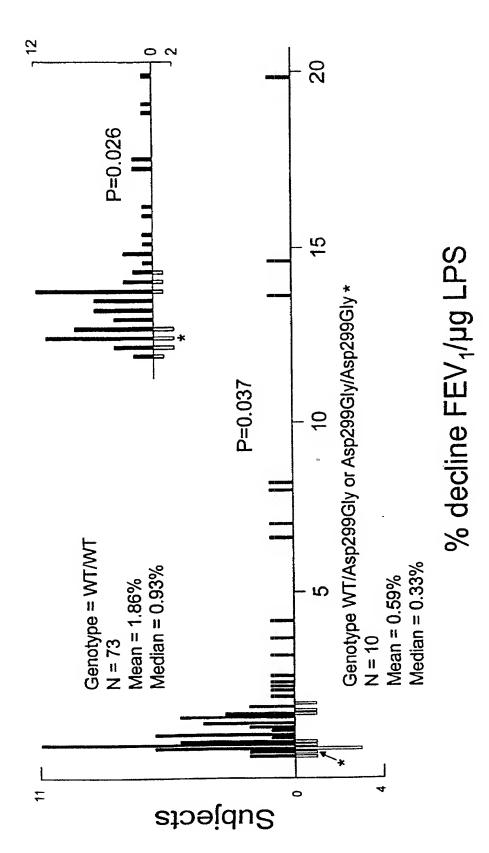


FIG. 5

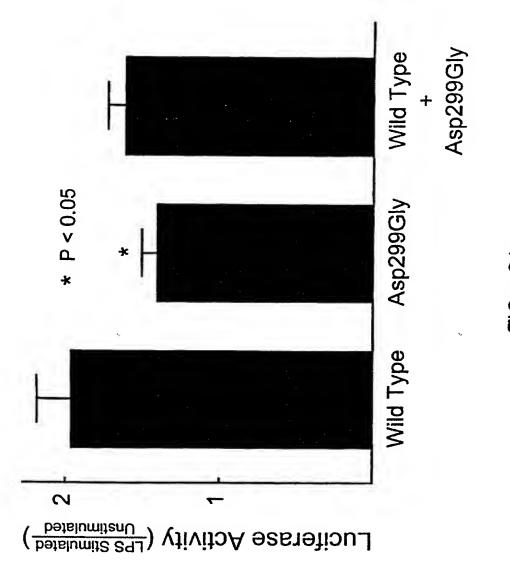


FIG. 6A

,1

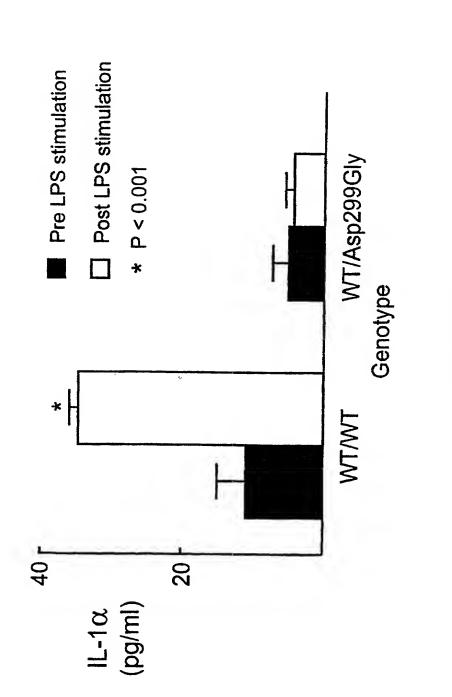


FIG. 6B

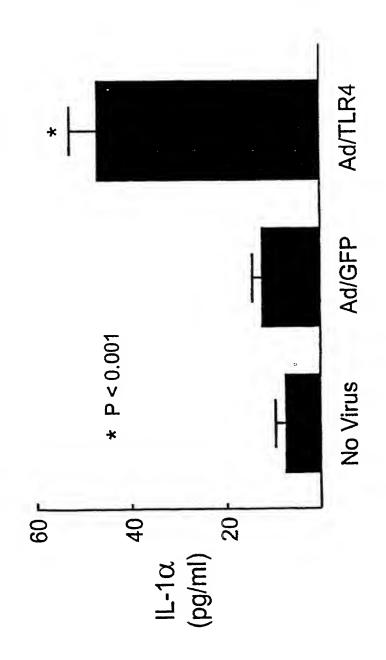
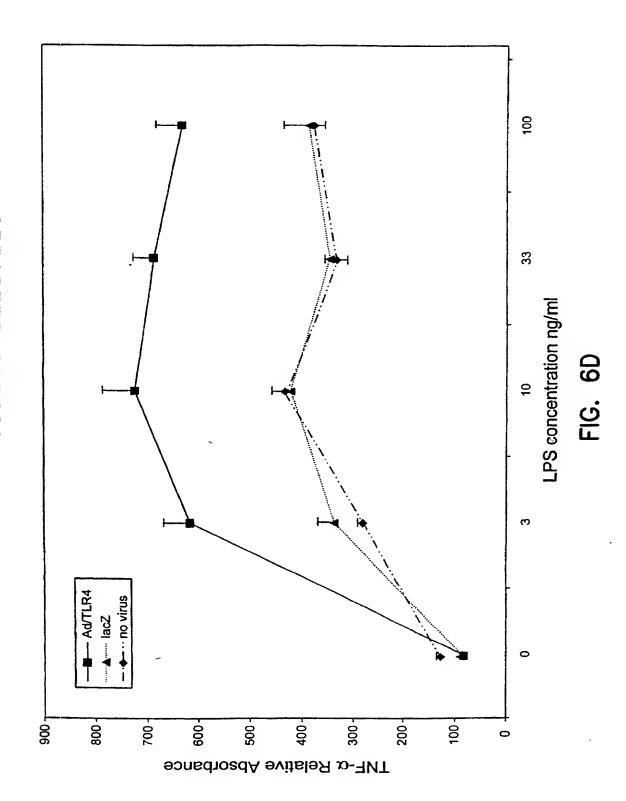


FIG. 6C



Amino Acid	Codon
Phe	UUU, UUC
Ser	UCU, UCC, UCA, UCG, AGU, AGC
Tyr	UAU, UAC
Cys	UGU, UGC
Leu	UUA, UUG, CUU, CUC, CUA, CUG
Trp	UGG
Pro	CCU, CCC, CCA, CCG
His	CAU, CAC
Arg	CGU, CGC, CGA, CGG, AGA, AGG
Gln	CAA, CAG
lle	AUU, AUC, AUA
Thr	ACU, ACC, ACA, ACG
Asn	AAU, AAC
Lys	AAA, AAG
Met	AUG
Val	GUU, GUC, GUA, GUG
Ala	GCU, GCC, GCA, GCG
Asp	GAU, GAC
Gly	GGU, GGC, GGA, GGG
Glu	GAA, GAG

FIG. 7

Original Residue	Exemplary Substitutions	Preferred Substitutions
Ala (A)	val; leu; ile	val
Arg (R)	lys; gln; asn	lys
Asn (N)	gln; his; lys; arg	gln
Asp (D)	glu	glu
Cys (C)	ser	ser
Gln (Q)	asn	asn
Glu (E)	asp	asp
Gly (G)	pro	pro
His (H)	asn; gln; lys; arg	arg
Ile (I)	leu; val; met; ala; phe norleucine	leu
Leu (L)	norleucine; ile; val; met; ala; phe	ile
Lys (K)	arg; gln; asn	arg
Met (M)	leu; phe; ile	leu
Phe (F)	leu; val; ile; ala	leu
Pro (P)	gly	gly。
Ser (S)	thr	thr
Thr (T)	ser	ser
Trp (W)	tyr	tyr
Tyr (Y)	trp; phe; thr; ser	phe
Val (V)	ile; leu; met; phe; ala; norleucine	leu

FIG. 8

#### HUMAN TLR4 GENOMIC SEQUENCE

AAAATACTCC	CTTGCCTCAA	AAACTGCTCG	GTCAAACGGT
GATAGCAAAC	CACGCATTCA	CAGGGCCACT	GCTGCTCACA
AAACCAGTGA	GGATGATGCC	AGGATGATGT	CTGCCTCGCG
CCTGGCTGGG	ACTCTGATCC	CAGCCATGGC	CTTCCTCTCC
TGCGTGAGAC	CAGAAAGCTG	GGAGCCCTGC	GTGGAGGTAT
GTGGCTGGAG	TCAGCTCCTC	TGAACTTTCC	CTCACTTCTG
CCCAGAACTT	CTCACTGTGT	GCCCTGGTTT	GTTTATTTT
GCAAAAAAAA	AAAGAGTTAA	ATTACCTTAA	AGACTCAAGA
AGCCACAGAG	ATCAAATAAT	TCATTGTTAC	AGGGCACTAG
AGGCAGCCAT	TGGGGGTTTG	TTCCATTTGG	AAATTTTGAG
TGCTAACAGG	GGCATGAGAT	AACATAGATC	TGCTTAAGGT
CCCTGCTCTG	CTACCTTGTG	GCTCTGTGAA	GAAATTATCA
AACCTGTCTG	AGACTAGTTT	TCGCATCTGT	AAGAGAATTA
TAATACCTTC	TTCACTAGAG	AGTAAGCAGA	CTGCTTCAGT
GTCATTTCTT	CCCACTGGTG	GTCTTTACAC	TCAGCTTCAA
GCAGTCACCC	TGCTCCTTTC	AATCTCAGGA	AAAAGATGGC
TTTGTGTGTG	TGTCTCT:A:	G:AGAAAGAA	CTTTCTAAGT
TGGTGCAGA	CTTCTGTATG	CAGTAATATA	GTTTAGTCCA
GAGGATGAAA	AAAATAAGAG	A:ATGAAAAA	GGAAAAGAGA
GAGAGAGA: G	AAGAAAAAAG	CAAGAGGGAA	AT:ATGTATA
ATGTCAGCTA	ATGCAAC:AG	TTTCTTTCTT	AGTGAAATAC
CAATCAGCTG	:GTTG:GTAA	TCTT:ATTCA	TGATGGATCT
CTTTTGTTTT	TCCCCTGCGC	AGACTTC:AC	AGTTGCTTTA
GAAACCCATA	GTAGAGCCGA	A:CAGCTAAG	AAAATGATTT
ACAGTGAGGC	AGGGTCAGAA	ACTCAAGAGA	GAAAAAGCCA
GCTGCAGTC:	CTGAAGT:TG	AGGATATAGG	: AGAAAATCA
AGTAATATTT	<b>AGCAAAGA</b> CT	AATTCATTAT	CTTGAAGCCA
TCCCTTCCCT	CAATTCCCTG	CCCATAGTCC	TCCTCCTTGT
CCTCTTCTCT	GNA:TCCCTC	TGCTGTTAGG	TTA:ATGG:A
GATAGATTTT	CTAATTANGC	TCACTGCGAG	ATAAAACCCA
GCCCATGTTT	CTATTAGNCA	ATATTGTCTT	TGAGGCTCCA
TGGCTTGCAN	CATTTAAGCA	GACATACGAA	TGAAGATCTG
CATGTTTGAA	CTCTGACTTT	GCGCATATTA	CTTCATTTCT
TTGAATTTCC	ATTTTCCTCA	TCTTTAAATG	CTTATTTGAA
GATTAAGTGA	AAGTATATAA	CAAACAAGAA	CTATGCAGGC
GTATGGTAAG	GGATTAATGA	TAGATGATAA	TAATTAATGT
TGACATCTAT	TGATCACTTA	TACTGTAGCG	GGCTTTTAAA
TAAACTCTTT	AAACACCTTA		TCCTTCAAAC
ATTCTATTGG		CAGAAAACTA	
	GGAATTTTGT		GAGAGCATTC
	TGGGAGCGTT	AGAGAATTAG	GCTTACAAAG
AATGTGGGAA		AAAGCAGTGT	
	GCACTTGACC		
TGGGAATCCA		AGATTTCCCC	
ATCACTTTGC	TCAAGGGTCA	ATGAGCCAAG	GAAAAGAATG

FIG. 9

CAGTTGTCAA AATCTGGGCC ATGACTAAGG AAGGTCTGGA CATCTTGACT GCCAGACAGT CTCCCCAATG ATATGGAGTA TTTAGAATGA TACTGGATAT TTTATTTATT TTTTGTATTT TCAACTTTTA AGTTCAGAGG CACATGTGCA GAGCATGCAG GTTTATTACA TAAGTAAATG TGTGCCATGG TGATTTGCTG CATAGATCAT GAAAATATGG AACGCATCAT GGATTTGTGT GTCATCCTTG TGCAGGGGCC ATGCTCATCT TCTCTGTATC CTTCCAATTT TAGTATATGT GCTACTGCAG CAAGCACGAT ATTGGATATT TTATTACCTA CATTTTACAT ATGATAAAAT GAGGCTCACT GAGGTTTTTC TTTTGTTCGT TTTATTTTGT TTTGTTTTTA AAGACTTGGC CCTAAACCAC ACAGAAGAGC TGGCATGAAA CCCAGAGCTT TCAGACTCCG GAGCCTCAGC CCTTCACCCC GATTCCATTG CTTCTTGCTA AATGCTGCCG TTTTATCNCG GAGGTTAGAA TGCTGAGCAC GTAGTAGGTG CTCTTTACTT TCTAATCTAG AGTAAGACAA TTTATAAGCA TGAATTGAGT GAATGGATGG ATGGATATAT GGATGGAAGG ATGGACAGAT GGATGAAAGG TTGACTGAAT TTTGTGCTTG CACAAAAAGA GGCCCCTCTC CACCATCTCT GGTCTAGGAG AGGGGAGTTG GGAGACCATG CAGTAAAGAT ACTTCATGTC ATGTGTAATC ATTGCAGGTG GTTCCTAATA TTACTTATCA ATGCATGGAG CTGAATTTCT ACAAAATCCC CGACAACCTC CCCTTCTCAA CCAAGAACCT GGACCTGAGC TTTAATCCCC TGAGGCATTT AGGCAGCTAT AGCTTCTTCA GTTTCCCAGA ACTGCAGGTG CTGGATTTAT CCAGGTAATG AATCCACTTT TACATACTGC ACAAGGTGAG GTGTTCATTG TCCTATCATT TCATTATTGG ACTGGAAAGC TTGGTTTGTG GAGTCTCATC TTCATTCACT TATTCATTCA TACAACAGAT GTCTTATTAA CTATATAACC TTGAGCAAGC TACCTCTATT CTCCAGGTCT CAGTTTTCTA ATCTGTGAAG TAGGCAGTTG GCTGAGACAG CTTCTAAGGG CAATTCTAAT TTTAGGTTTT CTTTTAAGAC AGGAGAGAA ATTAGCTTAA ATTCTTTCAT AAGCAGCTAT TTATTGACTA CTTGCTATAT GTTGTACACT CTGCAAGAAG ACAGGCATAT ATTGATATAT AACACACAGC CCCTGTTGTT AAGGAGGCAT ATCTTCTTGA AAGAGTTAAT ACCTTAAAGT CCTGGGTATG GTCCTGGGTA CATAGTATAT AGTCAACACA TTTTAATTAT GATTTTTTGG ATCTGGAAAC TGATATAAAG ATAGCGACAT ATAACAGTAG GTGATAAATT ATGTTTAAAC TAAAGGTAAC TAATTGTATT TTTCAGAAGA GGGGCCTTCT CTGTGGTGGG TAGTCAAGAA AGATTCATGA ACTGCATAAG ATTCAAACAA TGTCTAGAAT ATTAAAACTA GTGGTGGCAG GTGAAATGTC ATCTTGATAT TTTAGGGGAA CCAAATTCTA AAAGGGTTTT CATCATCGGG GCCTTATTTG CAAATCGAAC TAGATAATGG ATCATGTTCT CTGCAATGGT TTGTAAAACA TTTCAAAACA TTTTACATAT TTTTTATTAT AGAAATTATT GATAAAGACT AAGGTCACAG TATAAAAATC CTTTTTAGAG CAGACATTTC TGTAGAAGAG TGAACATATG ACCTATTATA CTCTAATTTG GATATAGATA GGATGTAACA AAGGAGTAAT

FIG. 9 (Continued)

GGGAACAATT CAAAGGCAGT GGTATAGTGC ATANAGTCCT GTTGGGGTCA GAAGACCTGA GCCCAAGTTT ACCCCCAACA TTTATAACCC ATGTAACCTT AGCATATTAC TTCATCTCCC TTAATCCTTA GTTTCATATC TGATCAATGG AAATGATGAA ACTTATTCTG CTGGATTAAA TGTGATAATA AATATTAATA TGCTGTATAT ATTTAAATTT TTATAAAATA TATTTTATAA GCATAAAGTA TTCTTACAGA ATTTCATTAG GTTTTTAAAA TAATTTCAAC TTTTATTTTT GATTCAGGGA TTTACATGGT TATATTGCGT AATGCTGAGG TGTAGGGTAC AATCGATACC ATCACTCAGG TAGTGAGCAT AGTACCCAAT AGTTAGTTTT TCAACCCTTG CTGCTTTCTC TCTATCCCCT CTCTAGTAAT CCCCAGGGTC TATTTTTGTC ATCTTTATGT CCATGTGTAC TCCATGTTTG GATCCTACTT ATAAAGTGAG AACTCATGGT ATTTGGCTTT CTGTNCCTTT GTTNGCTAAT TTGCTTAGGA TAATGGCTAC TAGCTGCATC TATGCCATTA TGTTCTAAAT TTCANTINCC TGCATGAAAA TTTTGTCAAG TACTCTATTA AGGTAGACCA CCTCTCCCTT TTTTTTTCAA ACAAGAAGTA GNTTTTCCCA AACAATGCCC TTATGGAATT NATCTTCAAT CCNNGGATAC CCAATAACTT GCCCCAAANC CTTAATCTGN CTTACAGAGA GGCCACCTTC CTTCTGTAAC CCATAGGAGA TTTGGATTGG TAAGAATGCT TTGTGATAGC CCAGCAGCCT TCTTTCCCCT ATAGAAATAT ATATATANTC TTTTTATAGG TGAGGAACTG AAGCTTGAAT AATTTAAATG ACTTATATAC ATNATCATTG CTTGTTAGCC ACAGACCAGA GATTTAAGTT CNCATCTCCA GAATCCAACT TAAATGTTTT CTTTGTCTTA ATACTCTACT TCTCTAAAGT GATTATCACC AATGTAATGA TATAGAGNCA CAGCAAGACC CTTTCCTTCT CACCTAATGT ATAGAGCAAT GCAGAGATAG AATGATGGGC TATAACAATC ATATAATTGA AAGAAGAAC TTCAAAAATA ATCAAGTTCA GCTGTTTGAT TTATAAATGT GATAACTAAA ACCTAGAGAG GAAAAGAGGT ACTCAAGATC ACACAGTAGG AGAGGACTGC AGAAACACCA AACCCAAGCT CTTTTGTCCA CTCTTCCAGC GTTCTTTCTA CTATACTGCC TATCCTTTAT CTAGTTACCA ATAAATAACA AAAGCTTGGA CCACAATGCT TTTATTGTCT AGGAAACTCC TGAAGAAGCT AAATAAAATG GGTGGGGAAT ATTGTAAATG TAATTCAGGC TGGATTAAGA AAGAACTTAT TTGACATTGT AACTGACAAG CACCTGCAAT GCTGAAAGGA ATTTTTCATT GGCNTGCTGT TTGCTGGGCT GCATCAAAGC CCTGTCTCTA GGACATGTCT CTGAACATTG TGTGTAGCAT GGCTTTCATT TCTTTTAGGA TAAAATTCAA AACCCTTTAT CTGGTTGGTA AACCTCTGCC TAATTGGGAA CCTTCTTTCT CCACAACTCC ATATTGTACA CTCCAATTTC ATCTCTGTTC TCCAACCATG GAAGCTATTT GTCATGATTC CTCCTTGTGT CATTTTTTT CTGTCAACCT TGGGGCTTTT GTGTTTGCTG TTCACTTCAC CTCCTTTTAT TGTTAACTTC TACTCATCTT TCAATTTTCA ACTTAAGTGT TCTCAGAGAA ACCTACTTTG ATTTTCTTGG TCCANAACGG TTCTCTGGAT GTGAACTCTT

FIG. 9 (Continued)

ATAGCACATA ATTTTCACTT TTTTCCACAA AACTCGCTCC TATCACCTGT TACAAGCATT TACCTCTGAT AACAAGAACT TTCAAATATC TAGCTGTCAT GTAAGCACTT TTCATAAACA TTAAGAGTAT CTGTGACACT TATGTGTAAT GTTTCGTATC TCTGAAATTG ATATTTACCA GTCATTTATC TTGGCTACCA ACTAACAACT ATCCATATTA TCTGTACCAA TCAGATGTAT AATCACAATT TTGTGTGACA GAAAATGGCT AAACTTGATC CAAGGCTATT ACATGCTTT: ATCAACTGCA CAATCTTTAT ATATGTCAAT TATTGATCTT TAACTGATTT CCTTCTTATG :GATTTTCTC CTCTGCTTAT CATGTATGCC TAACAT:GAC AAAAAAG:AG CCTA:TCATT GCAGCCAGTA TGATAATACT CA: GTCTGTG GGGCTTCTTA TTTGCTTAT: TCCATCATCA TCTGTCCTGC TTGATGTCTT TGCCTATGCA CAATCATATG :ACCCATCAC ATCTGTATGA AGAGC:TGGA TGACTAGGAT TAATATTCT: AT:::TTTAG GTTCTTATT: CAGCAGAAAT ATTAGATAA: TCAATGTCTT TTTATTCCTG TAGGTGTGAA ATCCAGACAA TTGAAGATGG GGCATATCAG AGCCT: AAGC CACCTCTCTA CCTTAATATT GACAGGAAAC CCCATCCAGA GTTTAGCCCT GGGAGCCTTT TCTGGACTAT CAAGTTTACA GAAGCTGGTG GCTGTGGAGA CAAATCTAGC ATCTCTAGAG AACTTCCCCA TTGGACATCT CAAAACTTTG AAAGAACTTA ATGTGGCTCA CAATCTTATC CAATCTTTCA AATTACCTGA GTATTTTCT AATCTGACCA ATCTAGAGCA CTTGGACCTT TCCAGCAACA AGATTCAAAG TATTTATTGC ACAGACTTGC GGGTTCTACA TCAAATGCCC CTACTCAATC TCTCTTTAGA CCTGTCCCTG AACCCTATGA ACTTTATCCA ACCAGGTGCA TTTAAAGAAA TTAGGCTTCA TAAGCTGACT TTAAGAAATA ATTTTGATAG TTTAAATGTA ATGAAAACTT GTATTCAAGG TCTGGCTGGT TTAGAAGTCC ATCGTTTGGT TCTGGGAGAA TTTAGAAATG AAGGAAACTT GGAAAAGTTT GACAAATCTG CTCTAGAGGG CCTGTGCAAT TTGACCATTG AAGAATTCCC GATTAGCATA CTTAGACTAC TACCTCGATG ATATTATTGA CTTATTTAAT TGGTTGACAA ATGGTTCTTC ATTTTCCCTG GTGAGTGTGA CTATTGAAAG GGTAAAAGAC TTTTCTTATA ATTTCGGATG GCAACATTTA GAATTAGTTA ACTGTAAATT TGGACAGTTT CCCACATTGA AACTCAAATC TCTCAAAAGG CTTACTTTCA CTTCCAACAA AGGTGGGAAT GCTTTTTCAG AAGTTGATCT ACCAAGCCTT GAGTTTCTAG ATCTCAGTAG AAATGGCTTG AGTTTCAAAG GTTGCTGTTC TCAAAGTGAT TTTGGGACAA CCA:GCCT:A AAGTATTTAG ATCTGAGCTT CAATGGTGTT A:TTACCATG AGTTCAAACT TCTTGGGCTT AGAACA: ACT AGAACATCTG GATTTCCAGC ATTCCAATTT GAAACA: AAT GAGTGAGTTT TCAGTATTCC TA: TCACTCA GAAA: CCT: C ATTTACCTTG ACATTTCTCA TACTCACACC AGAGTTGCTT TCAATGGCAT CTTCAATGGC TTGTCCAGTC TCGAAGTCTT GAAAATGGCT GGCAATTCTT TCCAGGAAAA CTTCCTTCCA GATATCTTCA CAGAGCTGAG AAACTTGACC

FIG. 9 (Continued)

TTCCTGGACC TCTCTCAGTG TCAACTGGAG CAGTTGTCTC CAACAGCATT TAACTCACTC TCCAGTCTTC AGGTACTAAA TATGAGCCAC AACAACTTCT TTTCATTGGA TACGTTTCCT TATAAGTGTC TGAACTCCCT CCAGGTTCTT GATTACAGTC TCAATCACAT AATGACTTCC AAAAAACAGG AACTACAGCA TTTTCCAAGT AGTCTAGCTT TCTTAAATCT TACTCAGAAT GACTTTGCTT GTACTTGTGA ACACCAGAGT TTCCTGCAAT GGATCAAGGA CCAGAGGCAG CTCTTGGTGG AAGTTGAACG AATGGAATGT GCAACACCTT CAGATAAGCA GGGCATGCCT GTGCTGAGTT TGAATATCAC CTGTCAGATG AATAAGACCA TCATTGGTGT GTCGGTCCTC AGTGTGCTTG TAGTATCTGT TGTAGCAGTT CTGGTCTATA AGTTCTATTT TCACCTGATG CTTCTTGCTG GCTGCATAAA GTATGGTAGA GGTGAAAACA TCTATGATGC CTTTGTTATC TACTCAAGCC AGGATGAGGA CTGGGTAAGG AATGAGCTAG TAAAGAATTT AGAAGAAGGG GTGCCTCCAT TTCAGCTCTG CCTTCACTAC AGAGACTTTA TTCCCGGTGT GGCCATTGCT GCCAACATCA TCCATGAAGG TTTCCATAAA AGCCGAAAGG TGATTGTTGT GGTGTCCCAG CACTTCATCC AGAGCCGCTG GTGTATCTTT GAATATGAGA TTGCTCAGAC CTGGCAGTTT CTGAGCAGTC GTGCTGGTAT CATCTTCATT GTCCTGCAGA AGGTGGAGAA GACCCTGCTC AGGCAGCAGG TGGAGCTGTA CCGCCTTCTC AGCAGGAACA CTTACCTGGA GTGGGAGGAC AGTGTCCTGG GGCGGCACAT CTTCTGGAGA CGACTCAGAA AAGCCCTGCT GGATGGTAAA TCATGGAATC CAGAAGGAAC AGTGGGTACA GGATGCAATT GGCAGGAAGC AACATCTATC TGAAGAGGAA AAATAAAAAC CTCCTGAGGC ATTTCTTGCC CAGCTGGGTC CAACACTTGT TCAGTTAATA AGTATTAAAT GCTGCCACAT GTCAGGCCTT ATGCTAAGGG TGAGTAATTC CATGGTGCAC TAGATATGCA GGGCTGCTAA TCTCAAGGAG CTTCCAGTGC AGAGGGAATA AATGCTAGAC TAAAATACAG AGTCTTCCAG GTGGGCATTT CAACCAACTC AGTCAAGGAA CCCATGACAA AGAAAGTCAT TTCAACTCTT ACCTCATCAA GTTGAATAAA GACAGAGAAA ACAGAAAGAG ACATTGTTCT TTTCCTGAGT CTTTTGAATG GAAATTGTAT TATGTTATAG CCATCATAAA ACCATTTTGG TAGTTTTGAC TGAACTGGGT GTTCACTTTT TCCTTTTTGA TTGAATACAA TTTAAATTCT ACTTGATGAC TGCAGTCGTC AAGGGGCTCC TGATGCAAGA TGCCCCTTCC ATTTTAAGTC TGTCTCCTTA CAGAGGTTAA AGTCTAGTGG CTAATTCCTA AGGAAACCTG ATTAACACAT GCTCACAACC ATCCTGGTCA TTCTCGAGCA TGTTCTATTT TTTAACTAAT CACCCCTGAT ATATTTTAT TTTTATATAT CCAGTTTTCA TTTTTTTACG TCTTGCCTAT AAGCTAATAT CATAAATAAG GTTGTTTAAG ACGTGCTTCA AATATCCATA TTAACCACTA TTTTTCAAGG AAGTATGGAA AAGTACACTC TGTCACTTTG TCACTCGATG TCATTCCAAA GTTATTGCCT ACTAAGTAAT GACTGTCATG AAAGCAGCAT TGAAATAATT TGTTTAAAGG GGGCACTCTT

FIG. 9 (Continued)

TTAAACGGGA AGAAAATTTC CGCTTCCTGG TCTTATCATG GACAATTTGG GCTATAGGCA TGAAGGAAGT GGGATTACCT CAGGAAGTCA CCTTTTCTTG ATTCCAGAAA CATATGGGCT GATAAACCCG GGGTGACCTC ATGAAATGAG TTGCAGCAGA TGTTTATTTT TTTCAGAACA AGTGATGTTT GATGGACCTA TGAATCTATT TAGGGAGACA CAGATGGCTG GGATCCCTCC CCTGTACCCT TCTCACTGCC AGGAGAACTA CGTGTGAAGG TATTCAAGGC AGGGAGTATA CATTGCTGTT TCCTGTTGGG CAATGCTCCT TGACCACATT TTGGGAAGAG TGGATGTTAT CATTGAGAAA ACAATGTGTC TGGAATTAAT GGGGTTCTTA TAAAGAAGGT TCCCAGAAAA GAATGTTCAT TCCAGCTTCT TCAGGAAACA GGAACATTCA AGGAAAAGGA CAATCAGGAT GTCATCAGGG AAATGAAAAT AAAAACCACA ATGAGATATC ACCTTATACC AGGTAGATGG CTACTATAAA AAAATGAAGT GTCATCAAGG ATATAGAGAA ATTGGAACCC TTCTTCACTG CTGGAGGGAA TGGAAAATGG TGTAGCCGTT ATGAAAAACA GTACGGAGGT TTCTCAAAAA TTAAAAATAG AACTGCTATA TGATCCAGCA ATCTCACTTC TGTATATATA CCCAAAATAA TTGAAATCAG AATTTCAAGA AAATATTTAC ACTCCCATGT TCATTGTGGC ACTCTTCACA ATCACTGTTT CCAAAGTTAT GGAAACAACC CAAATTTCCA TTGGAAAATA AATGGACAAA GGAAATGTGC ATATAACGTA CAATGGGGAT ATTATTCAGC CTAAAAAAG GGGGGATCCT GTTATTTATG ACAACATGAA TAAACCCGGA GGCCATTATG CTATGTAAAA TGAGCAAGTA ACAGAAAGAC AAATACTGCC TGATTTCATT TATATGAGGT TCTAAAATAG TCAAACTCAT AGAAGCAGAG AATAGAACAG TGGTTCCTAG GGAAAAGGAG GAAGGGAGAA ATGAGGAAAT AGGGAGTTGT CTAATTGGTA TAAAATTATA GTATGCAAGA TGAATTAGCT CTAAAGATCA GCTGTATAGC AGAGTTCGTA TAATGAACAA TACTGTATTA TGCACTTAAC ATTTTGTTAA GAGGGTACCT CTCATGTTAA GTGTTCTTAC CATATACATA TACACAAGGA AGCTTTTGGA GGTGATGGAT ATATTTATTA CCTTGATTGT GGTGATGGTT TGACAGGTAT GTGACTATGT CTAAACTCAT CAAATTGTAT ACATTAAATA TATGCAGTTT ТАТААТАТСА ААААААААА ААААААА

FIG. 9 (Continued)